BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to Roads And Drains at Muneshwara Nagar and Surrounding Area in Ward No.05 Jakkur

BYATARAYANAPURA DIVISION

PRE-MEASUREMENTS

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Name of work: Improvements to Roads And Drains at Muneshwara Nagar and Surrounding Area in Ward No.05 Jakkur

PRE MEASUREMENTS

Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification.								
	For RCC Drain								
	Muneshwara Nagara								
	Govt Primery School Road From Dead End to Main Road								
	LHS								
		1	30.00	1.10	1.10	1.10	1.00	33.00	
		1	25.30	1.10	1.10	1.10	0.90	25.05	
	RHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	25.30	1.10	1.10	1.10	0.90	25.05	
	4th A Cross road From 4th Cross								
	RHS	1	26.70	1.10	1.10	1.10	0.90	26.43	
		1	25.00	1.10	1.10	1.10	0.90	24.75	
	Cross Road-1 From 4th A Cross road								
	LHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	22.00	1.10	1.10	1.10	0.90	21.78	
	RHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	20.00	1.10	1.10	1.10	0.90	19.80	
	Shivapura								
	1st Cross road from Baglur Main road to Dead End								
	LHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	1.00	33.00	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	8.00	1.10	1.10	1.10	1.00	8.80	
		1	24.00	1.10	1.10	1.10	0.90	23.76	
	1st B Cross road from Main road to Dead End								
	RHS (House No#45)								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	1.00	33.00	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	1.00	33.00	
		1	27.50	1.10	1.10	1.10	0.90	27.23	
		1	2.40	1.10	1.10	1.10	1.00	2.64	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
	LHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	11.00	1.10	1.10	1.10	0.90	10.89	
	Continue	1	11.40	1.10	1.10	1.10	0.90	11.29	
		1	1.30	1.10	1.10	1.10	0.90	1.29	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	1.00	1.10	1.10	1.10	0.90	0.99	

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Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
	Dead End Road From Dead End								
	LHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	27.00	1.10	1.10	1.10	0.90	26.73	
	RHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	10.80	1.10	1.10	1.10	0.90	10.69	
	Cross Road-2 From Dead End to 2nd B Cross								
	LHS								
	From (House No#39)	1	28.30	1.10	1.10	1.10	0.90	28.02	
	From (House No#27)	1	23.30	1.10	1.10	1.10	0.90	23.07	
	RHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	6.00	1.10	1.10	1.10	0.90	5.94	
	2nd B Cross								
	RHS								
		1	30.00	1.10	1.10	1.10	0.90	29.70	
	For RCC Culvert								
	Muneshwara Nagara								
	4th A Cross road								
	Culvert @ School Road	1	7.70	2.00	2.00	2.00	1.00	15.40	
	Culvert @ Cross Road-1	1	6.50	2.00	2.00	2.00	1.00	13.00	
	Shivapura								
	1st B Cross road								
		1	5.50	2.00	2.00	2.00	1.00	11.00	
		1	5.80	2.00	2.00	2.00	1.00	11.60	
	For CC Road								
	Muneshwara Nagara								
	Dead End Road From 3rd Cross								
		1	15.00	4.70	5.90	5.30	0.30	23.85	
		1	15.00	5.90	5.50	5.70	0.30	25.65	
		1	15.00	5.50	6.20	5.85	0.30	26.33	
		1	12.00	6.20	6.10	6.15	0.30	22.14	
		1	15.00	4.70	4.30	4.50	0.30	20.25	
		1	5.80	4.30	4.90	4.60	0.30	8.00	
		1	2.60	2.20	2.20	2.20	0.30	1.72	45/138
									1258.82
	Deductions								
	Trees Area	-4	0.30	0.30	0.30	0.30	0.30	-0.11	
		-2	0.50	0.50	0.50	0.50	0.30	-0.15	
	Ramp								
	LHS	-1	3.20	0.70	0.70	0.70	0.30	-0.67	
	RHS	-1	7.00	0.40	0.40	0.40	0.30	-0.84	
	RHS	-1	9.00	0.70	0.70	0.70	0.30	-1.89	3.66
							Present Qty =	**1255.16**	**Cum**

Assistant Engineer
Ward No.05
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Bytarayanapura Sub-Division
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
2	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.								
	For RCC Drain								
	Muneshwara Nagara								
	Govt Primery School Road From Dead End to Main Road								
	LHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	25.30	1.00	1.00	1.00	0.15	3.80	
	RHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	25.30	1.00	1.00	1.00	0.15	3.80	
	4th A Cross road From 4th Cross								
	RHS	1	26.70	1.00	1.00	1.00	0.15	4.01	
		1	25.00	1.00	1.00	1.00	0.15	3.75	
	Cross Road-1 From 4th A Cross road								
	LHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	22.00	1.00	1.00	1.00	0.15	3.30	
	RHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	20.00	1.00	1.00	1.00	0.15	3.00	
	Shivapura								
	1st Cross road from Baglur Main road to Dead End								
	LHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	8.00	1.00	1.00	1.00	0.15	1.20	
		1	24.00	1.00	1.00	1.00	0.15	3.60	
	1st B Cross road from Main road to Dead End								
	RHS (House No#45)								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	27.50	1.00	1.00	1.00	0.15	4.13	
		1	2.40	1.00	1.00	1.00	0.15	0.36	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
	LHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	11.00	1.00	1.00	1.00	0.15	1.65	
	Continue	1	11.40	1.00	1.00	1.00	0.15	1.71	
		1	1.30	1.00	1.00	1.00	0.15	0.20	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	1.00	1.00	1.00	1.00	0.15	0.15	120.14

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Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
	Dead End Road From Dead End								
	LHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	27.00	1.00	1.00	1.00	0.15	4.05	
	RHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	10.80	1.00	1.00	1.00	0.15	1.62	
	Cross Road-2 From Dead End to 2nd B Cross								
	LHS								
	From (House No#39)	1	28.30	1.10	1.10	1.10	0.15	4.67	
	From (House No#27)	1	23.30	1.00	1.00	1.00	0.15	3.50	
	RHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	30.00	1.00	1.00	1.00	0.15	4.50	
		1	6.00	1.00	1.00	1.00	0.15	0.90	
	2nd B Cross								
	RHS								
		1	30.00	1.00	1.00	1.00	0.15	4.50	
	For RCC Culvert								
	Muneshwara Nagara								
	4th A Cross road								
	Culvert @ School Road	1	7.70	2.00	2.00	2.00	0.15	2.31	
	Culvert @ Cross Road-1	1	6.50	2.00	2.00	2.00	0.15	1.95	
	Shivapura								
	1st B Cross road								
		1	5.50	1.80	1.80	1.80	0.15	1.49	
		1	5.80	2.00	2.00	2.00	0.15	1.74	
	For CC Road								
	Muneshwara Nagara								
	Dead End Road From 3rd Cross								
		1	15.00	4.70	5.90	5.30	0.15	11.93	
		1	15.00	5.90	5.50	5.70	0.15	12.83	
		1	15.00	5.50	6.20	5.85	0.15	13.16	
		1	12.00	6.20	6.10	6.15	0.15	11.07	
		1	15.00	4.70	4.30	4.50	0.15	10.13	
		1	5.80	4.30	4.90	4.60	0.10	2.67	
		1	2.60	2.20	2.20	2.20	0.10	0.57	111.57
									233.71
	Deductions								
	Trees Area	-4	0.30	0.30	0.30	0.30	0.15	-0.05	
		-2	0.50	0.50	0.50	0.50	0.15	-0.08	
	Ramp								
	LHS	-1	3.20	0.70	0.70	0.70	0.15	-0.34	
	RHS	-1	7.00	0.40	0.40	0.40	0.15	-0.42	
	RHS	-1	9.00	0.70	0.70	0.70	0.15	-0.95	1.83
							Present Qty =	**229.87**	**Cum**

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
Ward No.05
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Bytarayanapura Sub-Division
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
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Item No	Description of Item	No	No of Bars	Cutting Length of Bar	Total Length of Bar in Mtr	Weight/ Mtr in Kgs		Total Wt in Kg's	Unit
4	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 TMT Bars Fe-500								
	For RCC Drain								
	Muneshwara Nagara								
	Govt Primery School Road								
	LHS								
	Total length of drain =55.30								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	370	2.10	777.00	0.62		481.74	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	55.30	995.40	0.62		617.15	
	RHS								
	Total length of drain =55.30								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	360	2.10	756.00	0.62		468.72	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	55.30	995.40	0.62		617.15	
	4th A Cross road								
	RHS								
	Total length of drain =51.70								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	346	2.10	726.60	0.62		450.49	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	51.70	930.60	0.62		576.97	
	Cross Road-1								
	LHS								
	Total length of drain =52.00								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	348	2.10	730.80	0.62		453.10	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	52.00	936.00	0.62		580.32	
	RHS								
	Total length of drain =50.00								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	335	2.10	703.50	0.62		436.17	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	50.00	900.00	0.62		558.00	5239.81
	Shivapura								
	1st Cross road								
	LHS								
	Total length of drain =122.00								

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Item No	Description of Item	No	No of Bars	Cutting Length of Bar	Total Length of Bar in Mtr	Weight/ Mtr in Kgs		Total Wt in Kg's	Unit
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	815	2.10	1711.50	0.62		1061.13	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	122.00	2196.00	0.62		1361.52	
	1st B Cross road								
	LHS								
	Total length of drain =204.70								
	Main Bars 10mm dia@ 150mm c/c								
	0.62kg/mtr	1	1366	2.10	2868.60	0.62		1778.53	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	204.70	3684.60	0.62		2284.45	
	RHS								
	Total length of drain =209.90								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	1660	2.10	3486.00	0.62		2161.32	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	209.90	3778.20	0.62		2342.48	
	Dead End Road								
	LHS								
	Total length of drain =57.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	440	2.10	924.00	0.62		572.88	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	57.00	1026.00	0.62		636.12	
	RHS								
	Total length of drain =70.80								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	560	2.10	1176.00	0.62		729.12	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	70.80	1274.40	0.62		790.13	
	Cross Road-2								
	LHS								
	Total length of drain =28.30								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	220	2.10	462.00	0.62		286.44	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	28.30	509.40	0.62		315.83	
	Total length of drain =23.30								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	180	2.10	378.00	0.62		234.36	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	23.30	419.40	0.62		260.03	
	RHS								14814.34

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ನಿ.ವಿ.ಯೋ.ಪ್ರಾ ಮೈಸೂರಾಯನಹುರ ಉಪ ವಿಭಾಗ

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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Item No	Description of Item	No	No of Bars	Cutting Length of Bar	Total Length of Bar in Mtr	Weight/ Mtr in Kgs		Total Wt in Kg's	Unit
	Total length of drain =66.00								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	520	2.10	1092.00	0.62		677.04	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	66.00	1188.00	0.62		736.56	
	2nd B Cross								
	RHS								
	Main Bars 10mm dia@ 125mm c/c								
	0.62kg/mtr	1	240	2.10	504.00	0.62		312.48	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	1	18	30.00	540.00	0.62		334.80	
	Double Mat								
	For RCC Culverts								
	4th A Cross road								
	Culvert @ School Road								
	Total length of Culvert-1 =7.70 Mtr								
	Main Bars 12mm dia @ 125mm c/c								
	0.89kg/mtr	2	63	2.70	340.20	0.89		302.78	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	23	7.70	354.20	0.62		219.60	
	Culvert @ Cross Road-1								
	Total length of Culvert-1 =6.50 Mtr								
	Main Bars 12mm dia @ 125mm c/c								
	0.89kg/mtr	2	53	2.70	286.20	0.89		254.72	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	23	6.50	299.00	0.62		185.38	
	Shivapura								
	1st B Cross road								
	Total length of Culvert-1 =5.50 Mtr								
	Main Bars 12mm dia @ 125mm c/c								
	0.89kg/mtr	2	45	2.70	243.00	0.89		216.27	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	22	5.50	242.00	0.62		150.04	
	Total length of Culvert-1 =5.80 Mtr								
	Main Bars 12mm dia @ 125mm c/c								
	0.89kg/mtr	2	48	2.70	259.20	0.89		230.69	
	Distrubution Bars 10mm dia@125mm c/c								
	0.62kg/mtr	2	22	5.80	255.20	0.62		158.22	377858
								23832.73	**Kg**
						Present Qty=		**23.83**	**Tonne**

Assistant Engineer
Ward No.05
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Assistant Executive Engineer
Bytarayanapura Sub-Division
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
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